AKOPYAN, M.M.;SHAPOVALOV, V.I.;FIRSOV, I.P.

Collection of fleas with a flannel hoop-net on steppes. Med. parazit., Moskva no.1:78-81 Jan-Feb 1953. (CIML 24:4)

1. Of Zimovnikovsk Scientific-Research Station.

SHAPOVALOV, V.I.; YASHCHUK, V.A.

Device for measuring susceptibility in incoherent rocks.
Sbor.luch.rats.predl. pt. 2:62-65 '63. (MIRA 17:5)

1. Kiyevskaya geofizicheskaya razvedochnaya ekspeditsiya Glavnogo upravleniya geologii i okhrany nedr pri Sovete Ministrov UkrSSSR.

ACC NR: AP6027235 SOURCE CODE: UR/0109/66/011/008/1436/1440

AUTHOR: Kolesov, L. N.; Mekhantsev, Ye. B.; Kil'metov, R. S.; Shapovalov, V. I.; Zhuravskiy, V. L.

ORG: none

TITLE: Calculation of characteristics of distributed R-C-NR-structures having p-n-junction-type nonuniform capacitance

SOURCE: Radiotekhnika i elektronika, v. 11, no. 8, 1966, 1436-1440

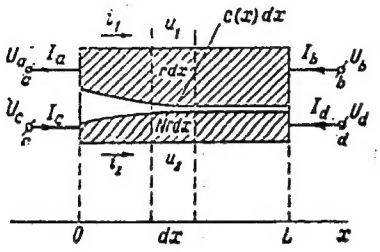
TOPIC TAGS: pn junction, circuit microminiaturization

ABSTRACT: A complete approximate matrix is set up of admittances of a non-uniform structure (see figure) consisting of two resistances separated by a reverse-biased p-n junction. In practice, such a structure has been used in component microminiaturization, and one of the resistances has been represented

UDC: 539.293.011.41

Card 1/2

ACC NR: AP6027235



by a semiconductor supporting base. Although several nonuniform structures have been analyzed by other researchers (e.g., P. S. Castro, Proc. Nat. El. Conf., v. 19, 1963), they cannot represent the p-n junction. The transient response of such a p-n-junction-containing structure is investigated using differential and integral circuits as examples. The transient-response theoretical curves are corroborated by experimental curves obtained from a p-Ge specimen acted upon by 30-nsec pulses. Orig. art. has: 4 figures and 17 formulas.

SUB CODE: 09 / SUBM DATE: 30Mar65 / ORIG REF: 000 / OTH REF: 003

Card 2/2

SHASKOL'SKIY, B.V., kand. tekhn. nauk; SOTNIKOVA, K.F., inzh.; GAVRILIN, Ye.F.; LUBKOV, A.N.; SAPOZHNIKOV, V.M.; ZHUCHENKO, L.F.; CHIGIRINA, N.I., tekhnik; ZHARIKOV, I.F., inzh.; CHERTISHCHEVA, A.Ye.; SHAPOVALOV, V.K., tekhnik; MOROZOV, A.M., inzh.; SLIVKO, S.V., tekhnik; CHERNAVSKIY, G.N., kand. tekhn. nauk; STRUZHESTRAKH, Ye.I., inzh., ed.; EL'KIND, V.D., tekhn. red.; DEMKINA, N.F., tekhn. red.

[General norms for time and machining conditions used in the industry for machining on automatic lathes; mass, large-lot and lot production]Obshchemashinostroitel'nye normativy vremeni i rezhimov rezaniia na tokarno-avtomatnye raboty; massovoe, krupnoseriinoe i seriinoe proizvodstvo. Moskva, Mashgiz, 1962. 271 p. (MIRA 15:12)

1. Moscow. TSentral'noye byuro promyshlennykh normativov po trudu. (Turning--Production standards)

ACC NR: AP6029970 SOURCE CODE: UR/0051/66/021/001/0126/0128

AUTHOR: Petrovskiy, G. T.; Polstyy, K. N.; Feofilov, P. P.; Tsurikova, G. A.; Shapovalov, V. N.

ORG: none

TITLE: Luminescence and stimulated emission of neodymium in fluoberyllate glasses

SOURCE: Optika i spektroskopiya, v. 21, no. 1, 1966, 126-128

TOPIC TAGS: stimulated emission, luminescence spectrum, neodymium, fluoberyllate glass, BERYLLIUM COMPOUND, YAG LASER

ABSTRACT: The luminescence and stimulated emission of the Nd^{3+} ion were studied in fluoberyllate glasses of the following compositions:

1) BeF_2 — 60; AlF_3 — 10; MF_2 — 30; KF — 15; MF — 5% (M — Li, Na, K, Rb, Cs, Tl)
2) BeF_2 — 70; AlF_3 — 10; MF — 5% (M — Li, Na, K, Rb, Cs).
3) BeF_2 — 60; AlF_3 — 10; KF — 30; ZnF_2 — 5; MF_2 — 5% (M — Mg, Ca, Sr, Ba, Zn, Cd, Pb).

Since the absorption and luminescence characteristics of all the glasses were found to be very similar (only glasses containing Li had substantially wider emission bands), the data obtained in the study are considered typical for fluoberyllate glasses of the most diverse compositions. The luminescence spectrum of Nd^{3+} is shown in Fig. 1. Its

Card 1/3 UDC: 535.37:546.657:666.1/2

ACC NR: AP6025970

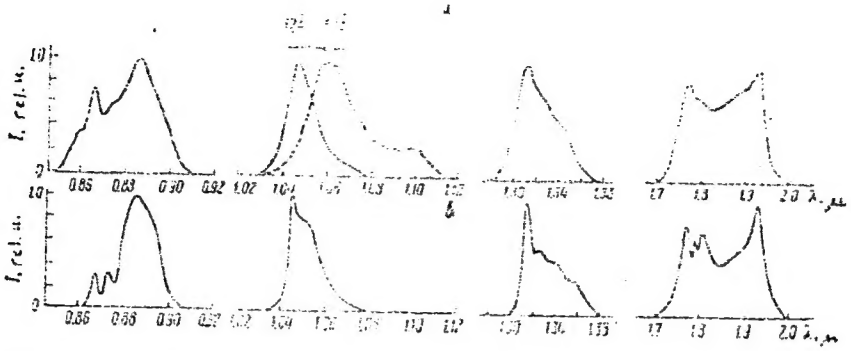


Fig. 1. Luminescence spectra of Nd^{3+} in fluoberyllate glasses at 300 (a) and 77°K (b). Intensity maxima in the various groups are normalized to unity. Broken line indicates the luminescence spectrum of Nd in silicate glass. The regions of generation of stimulated emission are marked.

comparison with spectra of Nd^{3+} in other matrices shows that although in fluoberyllate glasses the half-width of bands corresponding to transitions between the individual splitting components of the terms substantially exceeds that observed in crystals, the bands in these glasses are nevertheless much narrower than in oxygen-containing (for example, silicate) glasses. A second characteristic feature of Nd spectra (and other

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ACC NR: AP6025970

rare earth ions) in fluoberyllate glasses is the relatively small "crystalline" splitting of terms, as a result of which the groups of luminescence bands are more compact. The force of the field acting on the ion in fluoberyllate glasses was found to be small. Generation of stimulated emission was observed at room temperature in cylindrical specimens 40 mm long and 3.5-5.0 mm in diameter, prepared from glass containing 2 mole % Nd_2O_3. The spectrum of this emission consists of a large number of close narrow lines. The center of the region of generation corresponds to 10,693 Å, i.e., it is located near the maximum of the luminescence band. Thus, the region of generation in fluoberyllate glasses is shifted by more than 100 Å toward the shortwave side as compared to silicate glasses. Orig. art. has: 2 figures. [07]

SUB CODE: 20/ SUBM DATE: 12Jan66/ ORIG REF: 004/ OTH REF: 005/ ATD PRESS: 5055

Card 3/3 hs

SHAPOVALOV, V.P.; MURASHOV, N.A.

Intensiveness of the decomposition of the sod of old fallows in northern Kulunda. Trudy Biol. inst. Zap.-Sib. fil. AN SSSR no.3:149-154 '57. (MIRA 13:10)

(Kulunda Steppe--Soils)

SHAPOVALOV, V. P.; MURASHOV, N. A.

How cultivation methods and time effect nutrient and moisture dynamics in old Chernozem waste lands of northern Kulunda. Trudy Biol. inst. Zap.-Sib. fil. AN SSSR no.3:155-163 '57. (MIRA 13:10)
(Kulunda Steppe--Soils)

SHAPOVALOV, V.P.

The integration of a system of two nonlinear ordinary differential equations [with summary in English, p.212]. Vest.Len.un. 12 no.1:188-191 '57. (MLRA 10:5)

(Differential equations)

SHAPOVALOV, V.P.

Effect of temperatures and humidity on the decomposition of plant remains in Chernozem soils of the northern Kulunda Steppe. Izv. Sib. otd. AN SSSR no.9:98-102 '59 (MIRA 13:3)

1. Biologicheskiy institut Sibirskogo otdeleniya AN SSSR.
(Kulunda Steppe--Humus)

SHAPOVALOV, V.P.; ZAYKOVA, L.A.

Use of mineral fertilizers in the gray forest soils of Novosibirsk Province. Trudy Biol. inst. Sib. otd. AN SSSR no.12:108-116 '64.
(MIRA 18:7)

FRENKEL', A.S.; SHMUKLER, K.M.; ANTONOV, G.I.; MINKOVICH, B.D.; SHAPOVALOV, V.S.

Use of synthetic forsterite brick for the checkerwork in open-hearth furnace gas regenerators. Sbor.nauch.trud. UNIIO no.5:168-180 '61. (MIRA 15:12)
(Firebrick) (Open-hearth furnaces--Design and construction)

BERMAN, Sh.M.; YAN'SHINA, M.P.; SHAPOVALOV, V.S.; Prinimali uchastiye: KOVAL'CHUK, Ye.I.; PLOSHENKO, Ye.A.; POPOV, G.I.; SHKAPIN, V.G.; ANTONOV, G.I.; KOVTUN, A.M.

Service conditions and processes of the wear of basic refractories in the bulkheads of open-hearth furnace front walls. Sbor.nauch. trud. UNIIO no.5:181-201 '61. (MIRA 15:12)

1. Ukrainskiy nauchno-issledovatel'skiy institut ogneuporov (for Antonov, Kovtun).
(Open-hearth furnaces--Design and construction)
(Firebrick--Testing)

ACC NR: [illegible] SOURCE CODE: UR/0413/66/000/015/0165/0165

AUTHOR: Fromkel', A. S.; Antonov, G. I.; Berman, Sh. M.; Shapovalov, V. S.; Antonovich, D. D.; Kevzina, F. S.

ORG: none

TITLE: A method for producing basic refractory products. Class 80, No. 184693 [Announced by Ukrainian Scientific Research Institute of Refractories (Ukrainskiy nauchno-issledovatel'skiy institut ogneuporov)]

SOURCE: Izobret prom obraz tov zn, no. 15, 1966, 166

TOPIC TAGS: refractory product, refractory compound, powder metal, powder metallurgy, magnesite, magnesium compound

ABSTRACT: This Author Certificate presents a method for producing basic refractory products from pressed powder containing magnesite by forming this powder. To produce a consistently uniform volume of the products, melted materials such as magnesite, spinels, and forsterite are introduced into the pressing powder. Their amount is 30--70% of the pressed powder by weight. The products may be fired in an oxidizing medium at a temperature of 1750--1800C.

SUB CODE: 11/ SUBM DATE: 22Jun64

Card 1/1 UDC: 666.763.002.2

SHAPOVALOV, V.V.

Effect of the variability of the heat conductivity coefficient of the soil on the latter's temperature. Inzh.fiz.zhur. 5 no.1:64-71 Ja '62. (MIRA 15:3)

1. Politekhnicheskiy institut, Leningrad.
(Heat--Conduction) (Soil temperature)

SHAPOVALOV, V.Ye., inzh.; EPSHTEYN, Yu.V., kand.nauk, dotsent

Modeling variable external moment in testing gear mechanisms.
Vest.mashinostr. 42 no.5:14-17 My '62. (MIRA 15:5)
(Gearing--Testing) (Testing machines)

SHAPOVALOV, Ya.S.; BONDARENKO, Ye.Ye., inzh.

Reducing the unevenness of the product of roving machines.
Tekst. prom. 25 no.10:18-22 O '65. (MIRA 18:10)

1. Glavnyy inzh. Poltavskoy khlopkopryadil'noy fabriki (for Shapovalov). 2. Poltavskaya khlopkopryadil'naya fabrika (for Bondarenko).

SHAPOVALOV, Ya.S.; BONDARENKO, Ye.Ye., inzhener.

Metal open-square headpiece for roving machines. Tekst. prom. 17 no.3:46-48 Mr '57. (MLRA 10:4)

1. Glavnyy inzhener Poltavskoy khlopkopryadil'noy fabriki (for Shapovalov).

(Spinning machinery)

DEMEZER, A.A.; DZYUBA, M.L.; BLINOV, L.F. kandidat sel'skokhozyaystvennykh nauk; BOLDYREV, N.I., kandidat pedagogicheskikh nauk; GAY-GULINA, Z.S, GRUDEV, D.I., kandidat sel'skokhozyaystvennykh nauk; DUBROV, Ya.G., professor; KOVALENKO, V.D., ;KRYSINA, O.I.; KURKO, V.I.; LEVI M.F., kandidat sel'skokhozyaystvennykh nauk; MORDKOVICH, M.S.; POPOV, I.P. kandidat biologicheskikh nauk;SAGALOVICH, Ye.N., agronom; SILIN, V.N, zootekhnik; STRUYANSKIY, I.L., vrach; SUSHKOVA-LYAKHOVICH, M.L., kandidat meditsinskikh nauk; SHAPOVALOV, Ya.Ya., kandidat sel'skokhozyaystvennykh nau; SHENDERETSKIY, E.I., kandidat sel'skokhozyaystvennykh nauk; YAVNEL', A.Yu., kandidat meditsinskikh nauk; RODINA, P.I., redaktor; YUROVITSKIY, Ye.I., redaktor;PEVZNER, V.I., tekhnicheskiy redaktor.

[Home economics] Domovodstvo. Moskva, Gos.izd-vo sel'khoz.lit-ry, 1956. 479 p. (MLRA 10:5)

(Home economics)

C-4

USSR / Farm Animals. Poultry.

Abs Jour: Ref Zhur-Biol., No 23, 1958, 105749.

Author : Nakhlupina, N. Yo., Shapovalov, Ya. Ya.
Inst : Not given.
Title : Experience in the Breeding of All-Purpose Fowl Breeds at the Kuchinsk Fowl-Sovkhoz.

Orig Pub: Ptitsevodstvo, 1956, No 8, 15-19.

Abstract: Data concerning live weight, egg production and weight of eggs of the hens of the following breeds are given: New Hampshires, Avstralorps, and White Plymouth Rocks, which are being raised on the Kuchinsk Poultry Sovkhoz since 1945. The conditions of their management and feeding are likewise described. As a conclusion it is pointed out that on the other farms these breeds of chickens did not develop as might be expected

SMETNEV, S.I., prof., doktor sel'skokhoz.nauk; BOGDANOV, M.N., zootekhnik; GOFMAN, M.B., zootekhnik; GRIGOR'YEV, G.K., zootekhnik; ZHIDKIKH, Z.A., kand.sel'skokhoz.nauk; PENIONZHKEVICH, E.E., doktor biolog. nauk, prof.; PREVO, A.A., kand.biolog.nauk; TRET'YAKOV, N.P., doktor sel'skokhoz.nauk, prof.; USPENSKIY, A.A., kand.sel'skokhoz.nauk; USHAKOV, A.A., kand.veterin.nauk; SHAPOVALOV, Ya.Ya., kand.sel'skokhoz.nauk; YAGODIN, P.Ye., zootekhnik; YATSYNIN, N.N., zootekhnik; FEDOROVSKIY, N.P., kand.biol.nauk; SYCHIK, Ye.V., red.; PAVLOVA, M.M., tekhred.

[Poultry raising; a manual for farm managers] Ptitsevodstvo; rukovodstvo dlia zaveduiushchego fermoi. Izd.5, perer.i dop. Moskva, Gos.izd-vo sel'khoz.lit-ry, 1957. 495 p. (Bibliotechka po ptitsevodstvu, no.1) (MIRA 12:4)

1. Deystvitel'nyy chlen Vsesoyuznoy akademii sel'skokhozyaystvennykh nauk im. V.I.Lenina (for Smetnev).
(Poultry)

USSR/Farm Animals. Domesticated Fowl.

Abs Jour: Ref Zhur-Biol., No 20, 1958, 92657.

Author : Smetnev, S.I., Ozerov, A.V., Shapovalev, Ya. Ya., Puchkov, Ye. A., Luk'yanova, V.D., Voskresenskiy, V.A.
Inst : Moscow Agricultural Academy im. K.A. Timiryazev.
Title : Raising Chicks on Deep Litter.

Orig Pub: Ptitsevodstvo, 1957, No 126-131.

Abstract: The experiment was made at the experimental base of the Moscow Agricultural Academy im. K.A. Timiryazev. 850 day old chicks of the Russian White, Moskovskiy, Kuchinskiy, Jubilee, Livenskiy varieties were placed in individual sections of the coop with 12-14 chicks per square meter of floor. Dry slaked lime was poured onto the floor (1 kg per 1 m^2

Card : 1/2

USSR/Farm Animals - Domestic Fowls. 2-4

Abs JOur : Ref Zhur - Biol., No 7, 1958, 30977

Author : Volkov D.I., Gorodkova N.Ye., Nakhlupina A.G., Shapovalov Ya. Ya.

Inst :

Title : A New Breed Group of Chickens of an All-Purpose Type - Kuchinskiye Yubileynyye.
(Novaya porodnaya gruppa kur obshchepol'zovatel'nogo tipa - kuchinskiye yubileynyye).

Orig Pub : Ptitsevodstvo, 1957, No 6, 19-23

Abstract : The methods of raising the breed and the characteristics of its exterior, meat quality, egg-laying capacity (about 175 eggs a year), and area of occurrence are described.

Card 1/1

SHAPOVALOV, Ya. Ya.

SMETNEV, S.I.; OZEROV, A.V., doktor vet. nauk; SHAPOVALOV, Ya. Ya.; starshiy nauchnyy sotrudnik; BELOV, L.M., zootekhnik; VOSKRESENSKIY, S.A., vet. vrach.

Raising chicks of Russian breeds on dry feeds and deep litter. Ptitsevodstvo 8 no.2:10-16 F '58. (MIRA 11:1)

1. Ordena Lenina Moskovskaya sel'skokhozyaystvennaya akademiya im. K.A. Timiryazeva. 2. Deystvitel'nyy chlen Vsesoyuznoy akademii sel'skokhozyaystvennykh nauk im. V.I. Lenina (for Smetnev).

(Poultry--Feeding and feeding stuffs) (Litter (Bedding))

SHAPOVALOV, Ya.Ya., kand.biol.nauk

Russian Whites and their further improvement. Ptitsevodstvo 8 no.8:29-34 Ag '58. (MIRA 11:10)

1. Kafedra ptitsevodstva Moskovskoy sel'skokhozyaystvennoy akademii imeni K.A.Timiryazeva.
(Poultry breeds)

SHAPOVALOV, Ya.Ya., kand. biol. nauk; SEREBRYAKOV, A.S.; GORODKOVA, N.Ye., zootekhnik.

Kuchino general purpose chickens and their further improvement. Ptitsevodstvo 8 no.9:16-19 S '58. (MIRA 11:10

1.Direktor Kuchinskogo selektsionnogo ptitsesovkhoza (for Serebryakov). 2.Kuchinskiy selektsionnyy ptitsesovkhoz (for Gorodkova). (Poultry breeds)

SHAPOVALOV, Ya.Ya., kand.biol. nauk.

Methods of poultry judging and stock reproduction. Ptitsevodstvo 8 no.10:16-24 O '58. (MIRA 11:10)

1.Moskovskaya sel'skokhozyaystvennaya akademiya imeni K.A. Timiryazeva.

(Poultry--Judging)

SHAPOVALOV, Ya.Ya.

Comparative study on the growth and development of young Russian White and Jubilee chickens. Trudy Inst.morf.zhiv. no.31:204-214 '60. (MIRA 13:6)

1. Zootekhnicheskaya stantsiya Timiryazevskoy sel'skokhozyaystvennoy akademii.
(Poultry)

KUCHER, Ya.A., inzh.; SHAPOVALOV, Ye.A., inzh.

AMK unit for rod bolting. Shakht. stroi. 7 no.4:15-16 Ap '63.
(MIRA 16:3)

1. Gosudarstvennyy institut po proyektirovaniyu oborudovaniya po dobyche i obogashcheniyu rud.

GOLDOVSKAYA, T. Ye.; KUL'NEVICH, V. G.; SHAPOVALOV, Ye. N.

Changes occuring in the optical density of furfurol in storage. Izv. vys. ucheb. zav.; pishch. tekh. no.5:96-101 '62. (MIRA 15:10)

1. Krasnodarskiy institut pishchevoy promyshlennosti, kafedra organicheskoy khimii.

(Furaldehyde—Spectra)

KASPAROV, G.N., inzh.; POLYAKOV, A.F., kand.tekhn.nauk; SHAPOVALOV, Ye.N., inzh.

Spectrophotometric study of the ripening of perfumery liquids. Masl.-zhir.prom. 29 no.11:33-36 N '63. (MIRA 16:12)

1. Krasnodarskaya parfyumernaya fabrika (for Kasparov). 2. Krasnodarskiy politekhnicheskiy institut (for Polyakov, Shapovalov).

KEYTEL'MAN, L.Ya.; KEL'MAN, V.N.; SHAKOVALOV, Yu.I.

Effect of the method for producing a caprone melt in autoclaves on the quality of the parts. Plast. massy no.12:54-56 '64.
(MIRA 18:3)

KESTEL'MAN, V.N.; RUTTO, R.A.; KESTEL'MAN, N. Ya.; SHAPOVALOV, Yu.I.; MIRONOVICH, L.L.

Selecting parameters and methods for applying caprone coatings on metal surfaces. Mashinostroitel' no.11:33-34 N '64 (MIRA 18:2)

L 01009-66 EWT(m)/EPF(c)/EWP(i)/EWP(v)/EWP(j)/T/EWP(t)/EWP(b) JD/WW/RM

ACCESSION NR: AP5019570 UR/0191/65/000/008/0059/0061
678.675'125.026.3.01:536.53:539.612

AUTHOR: Kestel'man, V. N.; Rutto, R. A.; Kestel'man, N. Ya.; Shapovalov, Yu. I.; Mironovich, L. L.

TITLE: Durability and adhesion of nylon coatings as a function of the methods of their deposition on metal surfaces

SOURCE: Plasticheskiye massy, no. 8, 1965, 59-61

TOPIC TAGS: adhesive bonding, nylon, steel, cast iron, plastic coating

ABSTRACT: The properties of polyamide coatings, obtained by closely related methods are compared. The optimum temperature of the metal during the deposition of the nylon film was found to be 225-250°C (see fig. 1 of the Enclosure). Deviation from this temperature sharply decreases the adhesion of the coating and its physical and mechanical properties. Sand blasting of the surface of the metal increases the strength of coupling between the coating and the metal. The best adhesion of nylon to steel is achieved when the particle size of nylon is in the 200-270 μ range (see fig. 2 of the Enclosure). Below 200 μ nylon is oxidized at elevated temperatures

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L 01009-66

ACCESSION NR: AP5019570

3

and above 270 μ it is poorly melted. Powders were produced by dissolution of nylon in caprolactam monomer, precipitation, extraction of solvent and drying. It was found that coatings obtained by different methods differ significantly in their durability. The most stable nylon coatings were obtained by the vibration method. "The authors express their gratitude to S. B. Ratner for his valuable advice." Orig. art. has: 4 figures.

44,55

ASSOCIATION: none

SUBMITTED: 00 ENCL: 02 SUB CODE: MT

NO REF SOV: 006 OTHER: 002

Card 2/4

L 01009-66

ACCESSION NR: AP5019570

ENCLOSURE: 01

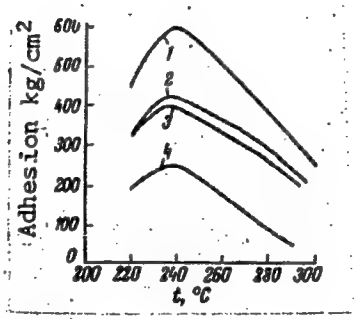


Fig. 1. Adhesion of nylon coatings to steel (1,3) and cast iron (2,4) parts as a function of surface temperature.

Card 3/4

L 01009-66

ACCESSION NR: AP5019570

ENCLOSURE: 02

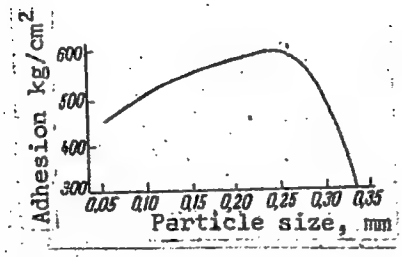


Fig. 2. Adhesion of nylon to steel as a function of the particle size of the nylon powder (the surface of the metal specimens was cleaned by sand blasting).

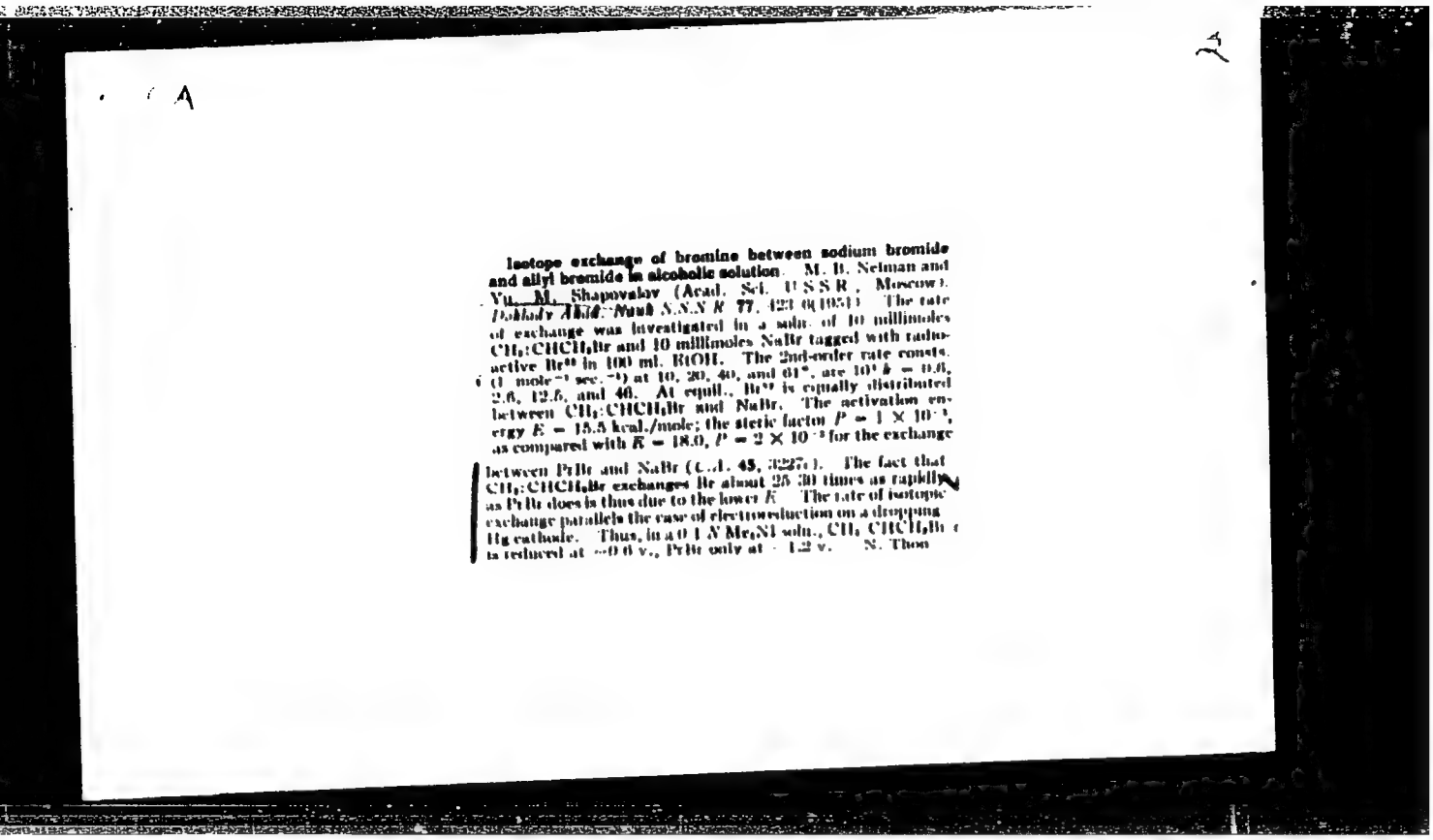
Card 4/4

SHAKOVALOV, Yu. M., NEYMAN, M. B. and MILLER, V. B.

"Investigation of the Isotopic Exchange of Bromine Between Propyl Bromide and Sodium Bromide in an Alcohol Solution", Dokl AN SSSR (Novaya Seriya), Vol. LXXV, No. 3, 1950.

Inst. Chem. Phys., Acad Sci USSR

SO: W-18143, 18 May 1951



Isotope exchange of bromine between sodium bromide and allyl bromide in alcoholic solution. M. B. Neiman and Yu. M. Shapovalov (Acad. Sci. U.S.S.R., Moscow). *Doklady Akad. Nauk S.S.S.R.* 77, 423-6(1951). The rate of exchange was investigated in a soln. of 10 millimoles $CH_2:CHCH_2Br$ and 10 millimoles NaBr tagged with radioactive Br^{82} in 100 ml. EtOH. The 2nd-order rate consts. (l. mole^{-1} sec.$^{-1}$) at 10, 20, 40, and 61°, are $10^3 k = 0.6$, 2.6, 12.6, and 46. At equil., Br^{82} is equally distributed between $CH_2:CHCH_2Br$ and NaBr. The activation energy $E = 15.5$ kcal./mole; the steric factor $P = 1 \times 10^{-3}$, as compared with $E = 18.0$, $P = 2 \times 10^{-3}$ for the exchange between PrBr and NaBr (*C.A.* **45**, 3227c). The fact that $CH_2:CHCH_2Br$ exchanges Br about 25-30 times as rapidly as PrBr does is thus due to the lower E. The rate of isotopic exchange parallels the case of electroreduction on a dropping Hg cathode. Thus, in a 0.1 *N* Me_4NI soln., $CH_2:CHCH_2Br$ is reduced at −0.6 v., PrBr only at −1.2 v. N. Thon

NEYMAN, M. B., MAKSIMOVA, G. V., SHAPOVALOV, Yu. M.

Halides

Mechanism of the exchange between alkyl halides and halides. DOKL. AN SSSR 85 no. 6, 1952.

9. Monthly List of Russian Accessions, Library of Congress, December 1952, Uncl.

SHAPOVALOV, YU. M.

Physical Chemistry

Dissertation: "The Influence of the Structure of Molecules on the Velocity of Ionic and Atomic Exchange Reactions." Cand Chem Sci, Inst of Chemical Physics, Acad Sci USSR, Oct-Dec 1953. (Vestnik Akademii Nauk, Moscow, Mar 54)

SO: SUM 213, 20 Sept 1954

Shapovalov, Yu. M.

USSR.

✓ The effect of pressure on the rate of ionic isotope-exchange reactions. M. B. Neiman, M. G. Gonikberg, V. B. Miller, Yu. M. Shapovalov, and V. S. Zvezdkin. *Doklady Akad. Nauk S.S.S.R.* 92, 365-8(1953); cf. *C.A.* 47, 3884h.—The kinetics of the isotope exchange between alkali halides and n-C_4H_7I or n-C_4H_7Br in EtOH was studied at 19° and at pressures of 1, 1500, and 2400 atm. The exchange isotopes were I^{131} and Br^{82}. In both cases an increase in the pressure increases the exchange rate. The data obtained can be used to calc. the difference in the vol., $\Delta v^{\ddagger}$, of the activated complex and of the initial materials. These values are given as $-\Delta v_I^{\ddagger} \cong 13$ ml. and $-\Delta v_{Br}^{\ddagger} \cong 12$ ml.

J. Rovtar Leach

C2
4

Shapovalov, Yu. M.

Influence of structure of alkyl iodides on the rate of the isotopic exchange with iodine ions and atoms. M. B. Neiman, P. A. Kuznetsov, and Yu. M. Shapovalov. *Doklady Akad. Nauk S.S.S.R.* 92, 811–14(1953); cf. *C.A.* 47, 3858h.—The isotopic exchange of iodine from PrI (I) and Me_2CHI (II) with iodine ion of NaI in EtOH soln. was studied. The activation energies were 19 kcal. for I and 20.5 kcal. for II, and the exchange with I was 20–25 times faster than with II. The isotopic exchange with the iodine atoms was studied in the cyclohexanol soln. of iodine under Hg-lamp radiation where the iodine atoms formed photochemically reacted with the alkyl iodides. Here the exchange with I was 25 times slower than with II. It is proposed that the ionic exchange occurs with an inversion of the tetrahedron; numerical agreement between the rates of racemization and isotopic exchange with iodine ion supports this hypothesis. The at. exchange proceeds without inversion and depends very strongly on the strength of the iodine-C bond; the latter is stronger in I. A. D.

SHAPOVALOV, Yu. M.

USSR/ Chemistry Physical chemistry

Card : 1/2 Pub. 147 - 11/25

Authors : Neyman, M. B., Shapovalov, Yu. M., and Miller, V. B.

Title : Effect of molecule structure on the rate of ion and atomic isotope exchange reactions. Part 1.- Elongation of a carbon chain of an alkyl radical and its effect on the rate of isotopic exchange of an alkyl halide with halide ions.

Periodical : Zhur. fiz. khim. 28/7, 1243 - 1256, July 1954

Abstract : The isotopic exchange of saturated polyhalide derivatives of the aliphatic series, with sodium halide, was investigated in alcohol-water solutions. The molecular-ion mechanism of the isotopic exchange, which is connected with the inversion in molecular configuration, is explained. The effect of elongation, of the C-chain of the R-radical on the isotopic exchange of alkyl bromides and alkyl iodides with halide ions in alcohol solutions, was analyzed.

Institution : Acad. of Sc. USSR, Institute of Chemical Physics, Moscow

Submitted : October 20, 1953

USSR/ Chemistry Physical chemistry

Card : 2/2 Pub.147 - 11/25

Authors :

Title :

Periodical : Zhur. fiz. khim. 28/7, 1243 - 1256, July 1954

Abstract : The greatest effect of C-chain elongation was established during the transformation from the CH_3 radical into the C_2H_5 radical. Twenty-eight references: 16 USSR; 12 USA (1862 - 1953). Tables; graphs; diagrams.

SHAPOVALOV, Yu. M.

USSR/ Chemistry - Physical chemistry

Card 1/1 : Pub. 22 - 34/46

Authors : Neyman, M. B; Shapovalov, Yu. M.; and Miller, V. B.

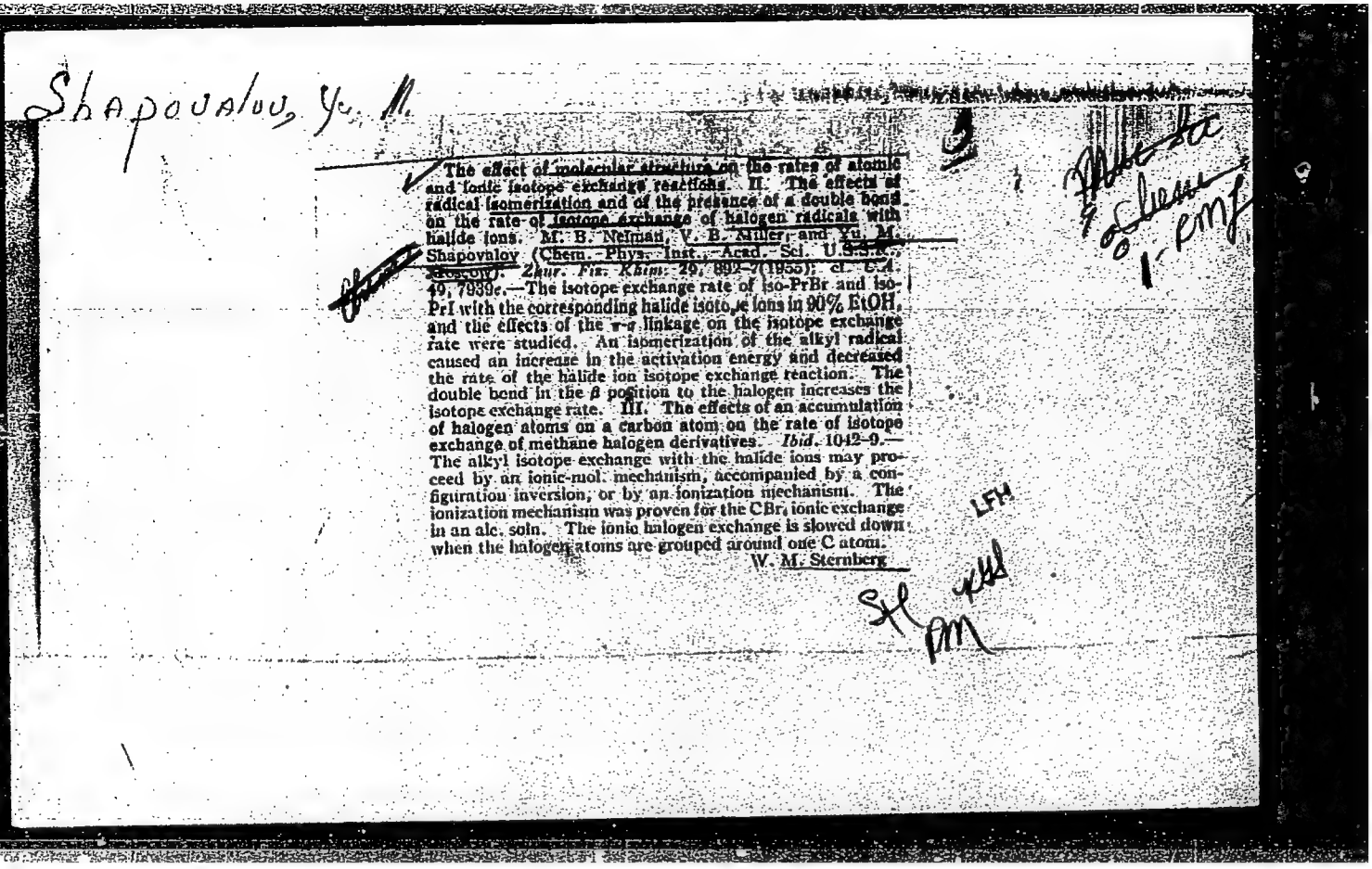
Title : Substitution of H-atoms in a CH_3Br molecule by Br-atoms and its effect on the rate of ion isotope exchange.

Periodical : Dok,. AN SSSR 97/4, 703-706, Aug 1, 1954

Abstract : The substitution of H-atoms in a CH_3Br molecule by Br-atoms and its effect on the rate and activation energy constant of the isotopic exchange reaction of Br-substitutes of methane with Br-ions, were investigated in a 90%-alcohol solution. Results indicated that the thermal effect of the isotope exchange reaction equalled zero and the equilibrium constant was independent of temperature. The mechanism of isotope exchange, is explained. Nine references: 8-USSR and 1-USA (1869-1953). Tables; graphs.

Institution : Acad. of Sc. USSR, Institute of Chemical Physics

Presented by : Academician N. N. Semenov, March 27, 1954



Shapovalov, Ye. N.

The effect of molecular structure on the rates of atomic and ionic isotope exchange reactions. II. The effect of radical isomerization and of the presence of a double bond on the rate of isotope exchange of halogen radicals with halide ions. M. B. Neiman, V. B. Ailer, and Yu. M. Shapovalov (Chem.-Phys. Inst., Acad. Sci. U.S.S.R., Moscow). *Zhur. Fiz. Khim.* 29, 892–7(1955); cf. C.A. 49, 7939e.—The isotope exchange rate of iso-PrBr and iso-PrI with the corresponding halide isotope ions in 90% EtOH, and the effects of the π-σ linkage on the isotope exchange rate were studied. An isomerization of the alkyl radical caused an increase in the activation energy and decreased the rate of the halide ion isotope exchange reaction. The double bond in the β position to the halogen increases the isotope exchange rate. III. The effects of an accumulation of halogen atoms on a carbon atom on the rate of isotope exchange of methane halogen derivatives. *Ibid.* 1042–9.—The alkyl isotope exchange with the halide ions may proceed by an ionic-mol. mechanism, accompanied by a configuration inversion, or by an ionization mechanism. The ionization mechanism was proven for the CBr_4 ionic exchange in an alc. soln. The ionic halogen exchange is slowed down when the halogen atoms are grouped around one C atom.

W. M. Sternberg

NEYMAN, M.B.; MILLER, V.B.; SHAPOVALOV, Yu.M.

Investigation of the influence of molecular structure on the rate of ionic and atomic reactions in isotopic exchange. III. Influence of the number of halogen atoms to carbon atoms on the speed of ionic isotopic exchange of halogen derivatives of methane. Zhur. fiz.khim. 29 no.6:1042-1049 Je '55. (MLRA 9:1)

1.Akademiya nauk SSSR, Institut khimicheskoy fiziki.
(Ion exchange) (Halides--Isotopes) (Methane)

SHAPOVALOV, YU. M.

V 9141

INVESTIGATIONS OF THE EFFECT OF MOLECULAR STRUCTURE ON THE RATE OF IONIC AND ATOMIC ISOTOPE EXCHANGE REACTIONS. IV. CHAIN RADICAL ISOTOPE EXCHANGE OF ALKYL IODIDES WITH ELEMENTARY IODINE. M. B. Neiman, V. B. Muller, and Yu. M. Shapovalov (Moscow Inst. of Chem. Physics). Zhur. Fiz. Khim. 30, 492-9(1956) Mar. (In Russian)

The exchange reactions $RI + I_2^{131}$ in alcohol solution and $RI + I_2^{131}$ in cyclohexane solution have been studied. The investigations show that lengthening of the carbon chain, isomerization of the alkyl radical, and substitution in the CH_3I molecule of hydrogen atoms by iodine atoms diminish the rate of ionic molecular reactions and accelerate reactions with a chain radical. (tr-auth)

ABS. JOUR. : RZhBiol., No. 7, 1959, No.

ORIG. PUB. :

ABSTRACT : Study of the process of primary ... In addition to ... development of the embryo there is ... between formation of first blood ... ent dermal cells of germinal ... germinal disc ... process of primary ...

SHAPOVALOV, Yu.N. (Simferopol', ul. Zhelyabova, 21, kv.17)

Polysaccharides in human tissues during the early stages of ontogenesis. Arkh. anat. gist. i embr. 40 no.5:34-38 My '61. (MIRA 15:4)

1. Kafedra gistologii i embriologii (zav. - prof. B.P. Khvatov) Krymskogo meditsinskogo instituta.
(POLYSACCHARIDES) (EMBRYOLOGY, HUMAN)

SHAPOVALOV, Yu.N. (Simferopol', ul. Zhelyabova, 21, kv.17)

Polysaccharides in the tissues of the human embryo during the second month of development. Arkh. anat. gist. i embr. 42 no.1:46-53 Ja '62. (MIRA 15:4)

1. Kafedra gistologii i embriologii (zav. - prof. B.P.Khvatov) Krymskogo meditsinskogo instituta.
(EMBRYOLOGY, HUMAN) (POLYSACCHARIDES)

SHAPOVALOV, Yu.N.

Iron in the cells and tissues of early stages of human embryos. TSitologiia 4 no.1:80-83 Ja-F '62. (MIRA 15:4)

1. Kafedra gistologii i embriologii Krymskogo meditsinskogo instituta, Simferopol'.
(IRON IN THE BODY) (EMBRYOLOGY, HUMAN)

KHVATOV, B.P., doktor med.nauk, prof.; SHAPOVALOV, Yu.N., kand.med.nauk

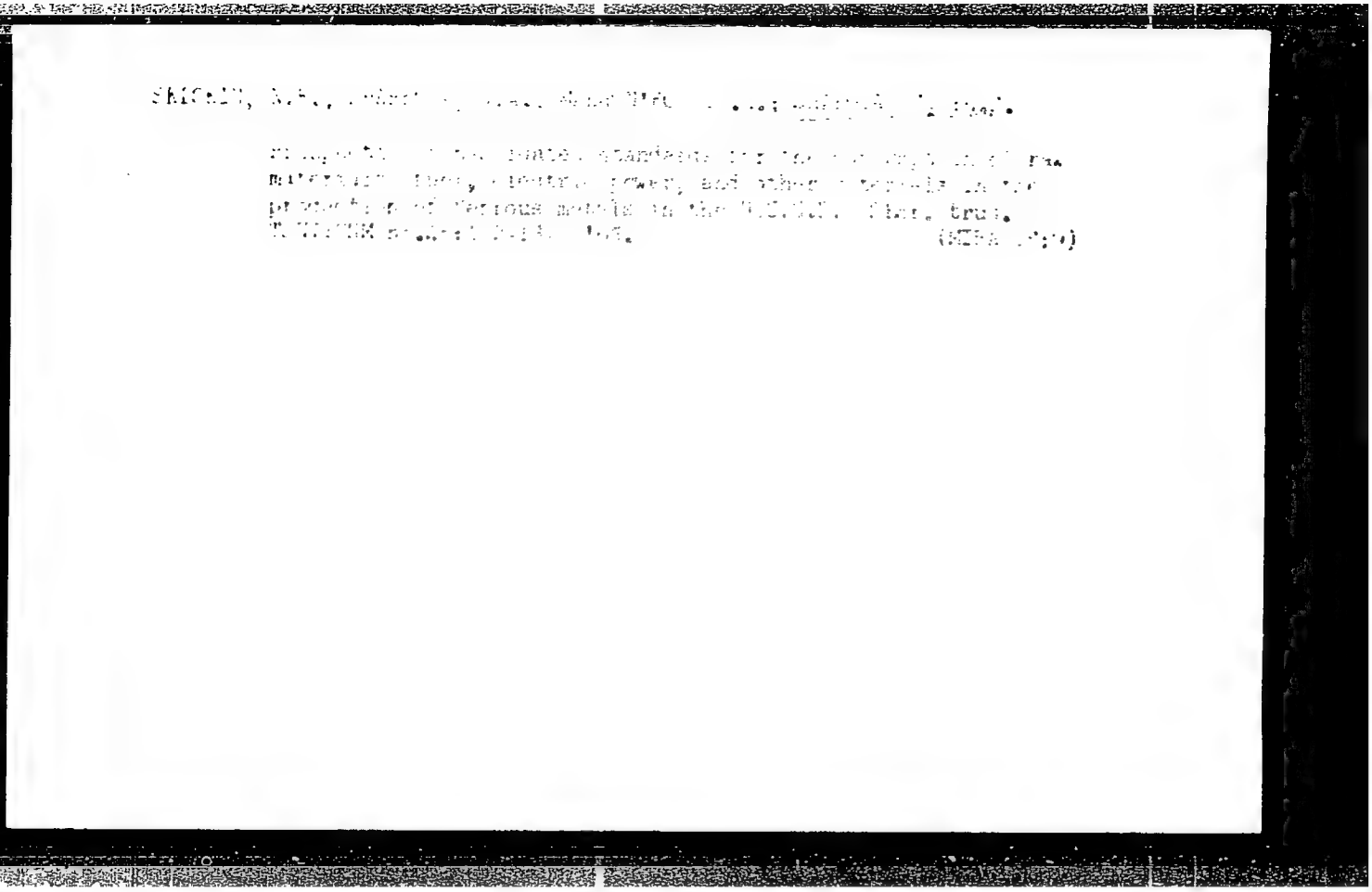
Contribution of embriology to medicine. Nauka i zhizn' 29 no.3:48-50 Mr '62. (MIRA 15:7)

1. Zaveduyushchiy kafedroy gistologii i embriologii Krymskogo meditsinskogo instituta, Simferopol' (for Khvatov).
(EMBRYOLOGY, HUMAN)

SHAIOVALOV, Yu.N. (Simferopol', ul. Zhelyabova, 21, kv. 17)

Acid mucopolysaccharides at early stages of connective tissue differentiation in the human embryo. Arkh. anat., gist. i embr. 47 no.7:45-49 Jl '64. (MIRA 18:1)

1. Kafedra gistologii i embriologii (zav. - prof. B.P. Khvatov) Krymskogo meditsinskogo instituta, Simferopol', Submitted March 27, 1963.



SHAPOVALOVA, A.

Friction welding. Trakt. i sel'khozmash. no.2:44-46 F '58.
(MIRA 12:3)

1.Nachal'nik Tsentral'noy zavodskoy laboratorii. Krasnoyarskogo kombaynovogo zavoda.
(Welding)

BALAKSHINA, M., kand. med. nauk; SHAPOVALOVA, A., glavnyy vrach rodil'nogo doma

A medical establishment is evacuated. Voen. znan. 41 no.8:26-27 Ag '65.
(MIRA 18:7)

KUZ'MIN, Vitaliy Vasil'yevich; PANKRATOV, Aleksandr Yakovlevich; SEFERSHAYEV, Memet Abduramanovich; SHAPOVALOVA, Anna Ivanovna; GOL'DSHTEYN, S.A., red.; BARANOVA, L.G., tekhn.red.

[Practical lessons in veterinary microbiology] Prakticheskie zaniatiia po veterinarnoi mikrobiologii. Pod red. V.V.Kuz'mina. Izd.2., ispr. i dop. Moskva, Gos.izd-vo sel'khoz.lit-ry, 1959. 203 p. (MIRA 12:7)

(Veterinary bacteriology)

[illegible], and [illegible], F. [illegible].

Utilizing Leather Waste, Russ. 51954, Oct 31, 1937.

Leather waste is plasticized with rubber and rubber solvents in a heated mixer.

SHAPOVALOVA, A.I., inzhener.

Shortening the production cycle of imitation leather. Leg.prom. 14 no.4: 7-11 Ap '54. (MLRA 7:6)
(Leather, Artificial)

SHAPOVALOVA, A. I.

SHAPOVALOVA, A. I. -- "Author's Abstract of a Dissertation in Competition for the Academic Degree of Candidate in Technical Sciences on the Subject 'Investigations in the Field of Accelerating the Process of Drying and Vulcanization of Plastkozh'. Min Higher Education USSR, Moscow Technological Inst of Light Industry imeni L. M. Kaganovich, Moscow 1955 (Dissertation For the Degree of Doctor of Technical Sciences)

SO: Knizhnaya letopis', No. 37, 3 September 1955

SHAPOVALOVA-A.I.

Rôle of diffusion in the mutual adhesion phenomena of high polymers. S. S. Voyutskii, A. I. Shapovalova and A. P. Pisarenko (*Dokl. Akad. Nauk, SSSR*, 1955, 100, 1001–1002).—Adsorption and contact-potential theories of the mutual adhesion of high polymers are discussed and rejected. Adhesion is attributed to molecular diffusion, i.e., to mutual solution of the two polymers at the surface of contact. This supposition is borne out by the increase of adhesion energy as the curing temp. is raised (diffusion rate and mutual solubility would increase with rising temp.), and by the observation that the energy of adhesion increases (up to a certain limit) during a long period after the join. The authors' theory also accounts for the non-adhesion of vulcanized polymers.

F. W. KIRKBRIDE.

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M.A. YOUTZ

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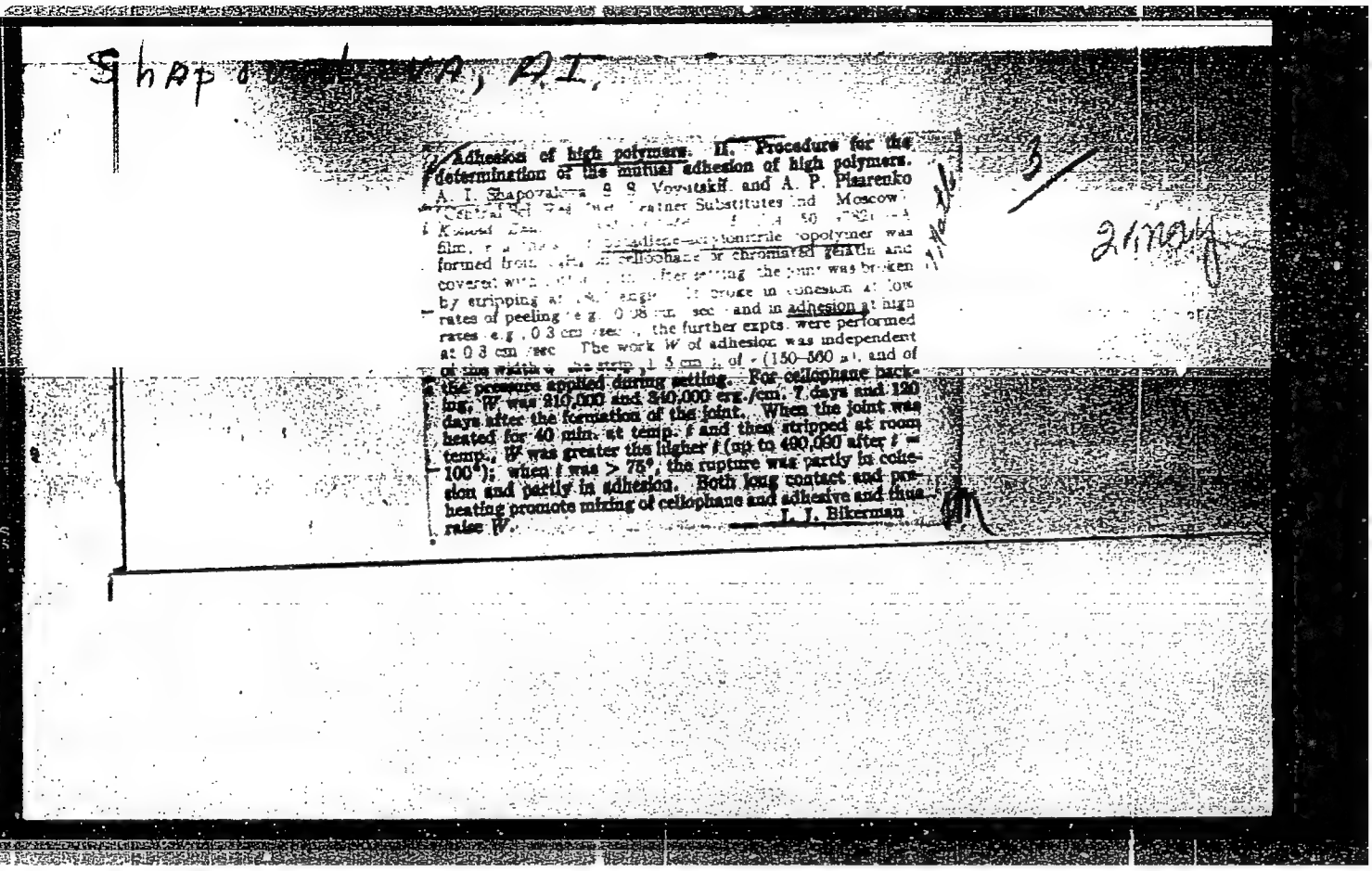
Cent. Sci Res. Inst Leather Substitutes Lond.

SHAPOVALOVA, A. I.

Name	:	SHAPOVALOVA, A. I.
Dissertation	:	Studies in accelerating the drying and vulcanization of the artificial leather "plastkozha".
Degree	:	Cand Tech Sci
Defended At	:	Min Higher Education USSR, Moscow Technological Inst of Light Industry imeni L. M. Kaganovich
Publication Date, Place	:	1956, Moscow



Shap

A, A. I.

Adhesion of high polymers. II. Procedure for the determination of the mutual adhesion of high polymers. A. I. Shapovalova, S. S. Voyutskii and A. P. Plaxenko [illegible] Rubber and Latex Substitutes Ind. Moscow [illegible]

[illegible] film, [illegible] butadiene–acrylonitrile copolymer was formed from [illegible] cellophane or chromated gelatin and covered with [illegible] Peeling the joint was broken by stripping at [illegible] angle. A change in cohesion at low rates of peeling (e.g., 0.08 cm./sec.) and in adhesion at high rates (e.g., 0.3 cm./sec.), the further expts. were performed at 0.3 cm./sec. The work W of adhesion was independent of the width w [illegible] strip (1.5 cm.) of c. (150–560 g.), and of the pressure applied during setting. For cellophane packing, W was 210,000 and 340,000 erg./cm.², 7 days and 120 days after the formation of the joint. When the joint was heated for 40 min. at temp. t and then stripped at room temp., W was greater the higher t (up to 490,000 after t = 100°); when t was > 75°, the rupture was partly in cohesion and partly in adhesion. Both long contact and preheating promote mixing of cellophane and adhesive and thus raise W.

L. J. Bikerman

SHAPOVALOVA, A. I.

Adhesion of high polymers. III. Effect of the size, shape, and polarity of the high-polymer molecules on the adhesion to cellophane. S. S. Voyutskii, A. I. Shapovalova, and A. P. Pisarenko (Central Sci. Research Inst. Leather Substitutes Ind., Moscow). *Kolloid. Zhur.* 19, 274-80 (1957); cf. *C.A.* 51, 10113*h*.—Films of polymers were deposited on cellophane by solvent evaporation and then peeled off. The resistance *R* to peeling as a function of the mol. wt. *M* had a max. at *M* = 20,000 for polyisobutylenes, and was greater for polyisoprene of *M* = 20,000 to 150,000 than for natural rubber of *M* = 150,000 to 300,000. For polybutadienes and copolymers of butadiene (I) and styrene, *R* increased as the no. of short side chains in the plastic decreased. For copolymers of I and CH_2:CHCN, *R* increased with the relative amt. of I. *R* is detd. either by cohesion or by adhesion, and the latter depends on diffusion of polymer into cellophane. J. J. Bikerman

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2 May

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S/069/60/022/01/0010/025
D034/D003

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AUTHORS: Pisarenko, A.P., Shapovalova, A.I., Voyutskiy, S.S.

TITLE: Adhesion of High Polymers
4. The Effect of Mechanical Factors on High Polymer Adhesion

PERIODICAL: Kolloidnyy zhurnal, 1960, Vol XXII, Nr 1, pp 57-62 (USSR)

ABSTRACT: The authors report on a study of the effect of mechanical adhesion on the strength of attachment of high polymers such as natural rubber, butadiene acrylonitrile copolymer SKN-40 (with 37,7% acrylic acid nitrile), butadiene styrene copolymer SKS-50 (50% styrene), etc. The adhesives were applied to substrata in the form of solutions prepared with solvents as benzine, benzene and dichloroethane. As substratum the authors used a model of cellulose fiber - cellophane with variously roughened surface, and also different tissues of cellu-

Card 1/3

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D034/D003

Adhesion of High Polymers. 4. The Effect of Mechanical Factors on High Polymer Adhesion

lose fiber. The investigation has shown that the strength of attachment of polymers with low specific adhesion increases tens and hundreds of times with increase in mechanical disruption of the surface, in its porosity and in the elementary fibers projecting from the surface of the fabric, In the presence of mechanical adhesion the bonding strength ordinarily depends on the cohesive strength of the adhesive. The cohesive strength is particularly effective in those cases, where the uneven parts of the substratum (e.g. tissues fibers) penetrate into the adhesive layer and firmly combine with it. In previously published papers [Ref. 1-3] it was found that with the diminution of the molecular weight of polyisobutylene its specific adhesion changes along a curve with a maximum at a mole-

Card 2/3

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S/069/60/022/01/010/025
D034/D003

Adhesion of High Polymers. 4. The Effect of Mechanical Factors on High Polymer Adhesion.

cular weight of 20,000. The present study has shown that in the presence of mechanical adhesion the bonding strength is maximum for polyisobutylene with a molecular weight of 200,000, and minimum for polyisobutylene with a molecular weight of 20,000. There are 5 tables and 4 Soviet references.

ASSOCIATION: Vsesoyuznyy nauchno-issledovatel'skiy institut iskusstvennoy kozhi (VNIIK), Moskva (All-Union Synthetic Leather Scientific Research Institut - VNIIK), Moscow)

SUBMITTED: September 22, 1958

Card 3/3

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I 34843-65
E.T(m)/EPF(c)/EPR/EWP(j)/T Pc-4/Pr-4/Ps-4 RPL WW/RM
ACCESSION NR: AP5008550 S/0286/65/000/006/0062/0062

AUTHOR: Karapetyan, N. G.; Boshnyakov, I. S.; Zhamkochyan, S. G.; Margaryan, A. S.; Zhurkova, D. I.; Yemel'yanova, A. P.; Shapovalova, A. I.; Plotnikov, I. V.; Sarkisyan, K. G.

TITLE: A method for producing latexes based on copolymers. Class 39, No. 16950

SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 6, 1965, 62

TOPIC TAGS: latex, copolymer, acrylonitrile, methacrylic acid, chloroprene

ABSTRACT: This Author's Certificate introduces a method for producing latexes based on copolymers of chloroprene and methacrylic acid using surface-active agents. The elasticity of the latex is improved by joint polymerization of chloroprene with methacrylic acid in the presence of methylvinylketone, chloro-isoprene or acrylonitrile as additives.

ASSOCIATION: none

Card 1/1

PAVLOVA, Z.S., mladshiy nauchnyy sotrudnik; SHAPOVALOVA, A.I., kand. tekhn. nauk

Pigments and lacquers for materials based on polyvinyl chloride. Nauch.-issl. trudy VNIIPIK no.14:111-117 '63. (MIRA 18:12)

SHAPOVALOVA, A.I.

Influence of polarization on electrical responses of muscle fiber. Biul. eksp. biol. i med. 51 no.6:3-8 Je '61. (MIRA 15:6)

1. Iz kafedry farmakologii (zav. - prof. A.V. Val'dman) I Leningradskogo meditsinskogo instituta imeni I.P. Pavlova. Predstavlena deystvitel'nym chlenom AMN SSSR V.V. Aakusovym.
(MUSCLE)
(ELECTROPHYSIOLOGY)

SEFERSHAYEV, Mamet Abduramanovich; SHAPOVALOVA, Anna Ivanovna; KUZ'-MIN, V.V., doktor vet.nauk, red.; GOL'DSHTEYN, S.A., red.; CHU-NAYEVA, Z.V., tekhn.red.

[Role of micro-organisms in stockbreeding] Rol' mikrobov v zhivotnovodstve. Pod red.V.V.Kuz'mina. Moskva, Gos.izd-vo sel'khoz.lit-ry, 1960. 101 p. (MIRA 14:5)

(Veterinary microbiology)

SHAPOVALOVA, A. Kh.

3

Changes in lungs of experimental animals after intratracheal introduction of mineral-wool dust. V. A. Grimalovskaya, V. V. Paustovskaya, and A. Kh. Shapovalova. (Med. Inst., Kiev). *Gigiena i Sanit.* 21, No. 8, 24-8(1956). Mineral-wool dust with relatively low free SiO_2 and moderate contents of bound SiO_2 produces in rats after 2-3 months a moderate sclerosis of diffuse and nodular types; after 5 months a peribronchial sclerosis starts. This is caused by soly. of the dust particles in the lymph. G. M. K.

PAUSTOVSKAYA, V.V., kand.med.nauk; MAKOVSKAYA, Ye.I., kand.med.nauk; SHAPOVALOVA, A.Kh., starshiy laborant

Effect of mineral wool dust on the body. Vrach.delo no.8:849-851 Ag '59. (MIRA 12:12)

1. Kafedra gigiyeny truda Kiyevskogo meditsinskogo instituta i Kiyevskiy institut gigiyeny truda i professional'nykh zabolevaniy.
(MINERAL WOOL--PHYSIOLOGICAL EFFECT)

SHAPOVALOVA, A.N.

Using minor tellurium additions in producing wrought iron.
Trakt. i sel'khozmash. no.1:42-43 Ja '59. (MIRA 12:1)

1. Nachal'nik TSentral'noy zavodskoy laboratorii Krasnoyarskogo kombaynovogo zavoda.
(Wrought iron--Metallurgy) (Tellurium)

SHAPOVALOVA, A.N.

Synthesis of 2-butyne-1,4-diol from formalin and acetylene at atmospheric pressure. Zhur. prikl. khim. 36 no.4:904-909 Ap '63. (MIRA 16:7)

(Butynediol) (Formaldehyde) (Acetylene)

SHAPOVALOVA, G. [Shapavalava,H.], deputat sel'skogo soveta.

This is how we live and work. Rab.i sial. 37 no.12:18 D '61.
(MIRA 15:2)

(Klichev District—Rural conditions)

SHAPOVALOVA, G. A. Cand. Geolog-Mineralog Sci.

Dissertation: "Lithology of Spiriferons Deposits of South-East Tataria, and the Paleogeography of the Period of Their Formation." Inst, of Mineral Fuels, Acad. Aci. USSR. 26 Jun 47.

SO: Vechernyaya Moskva, Jun 1947 (Project #17836)

SHAPOVALOVA, G.A.

"The Paleogeography of the Formation Period of Spiripheral Deposits in the Southeastern Tatar and Neighboring Regions South of Chkalov and Kuybyshev Oblasts." From book, Works of the Petroleum Institute, Vol.1, No.1, Academy of Science USSR, 1949.

SHAPOVALOVA, G. A.

"Orientation of Gravel Detritus of the 'Dushetskiy' Strata of Tertiary Georgian Deposits as a Criterion of the Drift Paths of Terrigenous Material," Dok. AN, 67, No. 3, 1949; Petroleum Inst., Acad. Sci., c1949-.

SHAPOVALOVA, I. A.

"The Upper Border of the Spiriferiod Substratum in the Southeast Part of the Russian Platform," 68, No. 3, 1949. Inst. of Petroleum, Acad. Sci. c1949-.

Майкоп

Shantsyan, E. G. Petrography of the Maikop and Sarmatian deposits of eastern Georgia and the paleography of the time of their formation Moskva, Izd-vo Akademii nauk SSSR, 1952. 302 p. maps. (54-22614)

QE27/G.S3

SHAPOVALOVA, G. A.

The Committee on Stalin Prizes (of the Council of Ministers USSR) in the fields of science and inventions announces that the following scientific works, popular scientific books, and textbooks have been submitted for competition for Stalin Prizes for the years 1952 and 1953. (Sovetskaya Kultura, Moscow, No. 22-40, 20 Feb - 3 Apr 1954)

Name	Title of Work	Nominated by
Sarkisyan, S. G. Shapovalova, G. A.	"Petrography of the Maykop and Sarmat Strata of Eastern Georgia"	Petroleum Institute, Academy of Sciences USSR

SO: W-30604, 7 July 1954

VARENTSOV, M.I.; MORDOVSKIY, V.T.; TEODOROVICH, G.I., otvetstvennyy redaktor; SHAPOVALOVA, O.A., redaktor; ASTAF'YEVA, G.A., tekhnicheskiy redaktor

[Geological structure of the northern edge of the Gori-Mukhran depression] Geologicheskoe stroenie severnogo borta Gori Mukhranskoi depressii. Moskva, Izd-vo Akad. nauk SSSR, 1954. 84 p. (MLRA 8:3)
(Georgia--Geology, Structural)

SHAPOVALOVA, G.A.

Concretions and concretion-like formations of Maikop deposits in eastern Georgia. Trudy Inst.nefti no.5:57-74 '55. (MLRA 8:12)
(Georgia--Concretions)

BLUDOROV, A.P.; KIRSANOV, N.V.; DISTANOV, U.G.; TUZOVA, L.S.; ARBUZOV, A.Ye., akademik, redaktor.; MIROPOL'SKIY, L.M., redaktor; SHAPOVALOVA, G.A., redaktor; PAVLOVSKIY, A.A., tekhnicheskiy redaktor.

[Tertiary coal-bearing deposits of the central and southern regions of Bashkiria] Tretichnye uglenosnye otlozheniia tsentral'nykh i iuzhnykh raionov Bashkirii. Moskva, Izd-vo Akademii nauk SSSR, 1956. 138 p. (Akademiia nauk SSSR. Kazanskii filial, Kazan. Geologicheskii insitut. Trudy, no.3) (MLRA 9:10)

(Bashkiria--Coal geology)

MIKHAYLOVA, Nelli Aleksandrovna; SARKISYAN, S.G., professor, otvetstvennyy redaktor; SHAPOVALOVA, G.A., redaktor izdatel'stva; MOSKVICHEVA, N.I., tekhnicheskiy redaktor

[Petrography of Givetian deposits in Ural and Volga petroleum-bearing regions and the paleogeography of the period of their formation] Petrografiia zhivetskikh otlozhenii Uralo-Volzhskoi neftenosnoi oblasti i paleogeografiia vremeni ikh obrazovaniia. Moskva, Izd-vo Akademii nauk SSSR, 1956. 157 p. (MLRA 9:9)
(Petroleum geology)
(Ural Mountain region--Paleogeography)

SARKISYAN, Sergey Galustovich,; FEDOROV, S.F., otv. red.; SHAPOVALOVA, G.A., red. izd-va,; KISELEVA, A.A., tekhn. red.

[Mesozoic and Tertiary deposits in the Baikal region] Mezozoiskie i tretichnye otlozheniia Pribaikal'ia, Zabaikal'ia i Dal'nego Vostoka. Moskva, Izd-vo Akad. nauk SSSR, 1958. 336 p. (MIRA 11:10)

1. Chlen-korrespondent AN SSSR (for Fedorov).
(Geology, Stratigraphic)

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